

# California Content Standards Alignment

## 8<sup>th</sup> GRADE

**Activity 8.1:  
Keep Your Head  
Above Water**

**Activity 8.2:  
You Are What  
You Eat**

**Activity 8.3:  
The Edge of the  
Wedge**

### Science Content Standards

#### **8. Density and Buoyancy**

All objects experience a buoyant force when immersed in a fluid. As a basis for understanding this concept:

<b>8.a.</b> Students know density is mass per unit volume.	X		X
<b>8.b.</b> Students know how to calculate the density of substances (regular and irregular solids and liquids) from measurements of mass and volume.	X		
<b>8.c.</b> Students know the buoyant force on an object in a fluid is an upward force equal to the weight of the fluid the object has displaced.	X	X	
<b>8.d.</b> Students know how to predict whether an object will float or sink.	X	X	X